

1st Gibson assembly of gRNAs

Inhibition only																		
Numbers of fragments		4																
	Concentration ng/ul	Size (bp)			Concentration n	Size (bp)			Concentration n	Size (bp)			Concentration n	Size (bp)			Concentration n	Size (bp)
pADH1lin	25.5	7200		pADH1lin	25.5	7200		pADH1lin	25.5	7200		pADH1lin	25.5	7200		pADH1lin	25.5	7200
DsRed not diluted	28.3	780		DsRed not diluted	28.3	780		DsRed not diluted	28.3	780		DsRed not diluted	28.3	780	-			
c6_0 GBS not diluted	27.5	238		c6_1 GBS not diluted	41.2	238		c6_2 GBS not diluted	38.4	238		c6_3 GBS not diluted	32.3	238	-			
c7_0 GBS not diluted	44.3	308		c7_1 GBS not diluted	42.8	308		c7_2 GBS not diluted	37.3	308		c7_3 GBS not diluted	39.6	308	-			
Moles of vector (pmoles)	0.023			Moles of vector (pmoles)	0.023			Moles of vector (pmoles)	0.023			Moles of vector (pmoles)	0.023			Moles of vector	0.2	
Moles of insert (pmoles)	0.06			Moles of insert (pmoles)	0.06			Moles of insert (pmoles)	0.06			Moles of insert (pmoles)	0.06			Moles of insert (0	
Mass of vector (ng)	102			Mass of vector (ng)	102			Mass of vector (ng)	102			Mass of vector (ng)	102			Mass of vector (102	
Mass of insert - DsRed (ng)	28.92			Mass of insert - DsRed (ng)	28.92			Mass of insert - DsRed (ng)	28.92			Mass of insert - DsRed (ng)	28.92			Mass of insert (ng)	0	
Mass of insert - c6_0 Gbs (ng)	8.826			Mass of insert - c6_1 Gb (ng)	8.826			Mass of insert - c6_2 Gbs (ng)	8.826			Mass of insert - c6_3 Gbs (ng)	8.826					
Mass of insert - c7_0 Gbs (ng)	11.42			Mass of insert - c7_1 Gb (ng)	11.42			Mass of insert - c7_2 Gbs (ng)	11.42			Mass of insert - c7_3 Gbs (ng)	11.42					
Volume of vector	4			Volume of vector	4			Volume of vector	4			Volume of vector	4			Volume of vecto	4	
Volume of DsRed2	1.021908127			Volume of DsRed2	1.021908127			Volume of DsRed2	1.021908127			Volume of DsRed2	1.021908127			Volume of insert	0	
Volume of c6_0 Gbs	1.604727273	Diluted 1:5		Volume of c6_1 Gbs	1.071116505	Diluted 1:5		Volume of c6_2 Gbs	1.14921875	Diluted 1:5		Volume of c6_3 Gbs	1.36625387	Diluted 1:5				
Volume of c7_0 Gbs	1.031151242	Diluted 1:4		Volume of c7_1 Gbs	1.06728972	Diluted 1:4		Volume of c7_2 Gbs	1.224664879	Diluted 1:4		Volume of c7_3 Gbs	1.153535354	Diluted 1:4				
Volume of Mastermix	10			Volume of Mastermix	10			Volume of Mastermix	10			Volume of Mastermix	10			Volume of Mast	10	
Volume of H2O	2.342213359			Volume of H2O	2.839685648			Volume of H2O	2.604208243			Volume of H2O	2.458302649			Volume of H2O	6	
Total Volume	20			Total Volume	20			Total Volume	20			Total Volume	20			Total Volume	20	
Tubes labelling																		
I0	Inhibition 0 (ADH1 + DsRed2 + polyA + c6_0 + c7_0																	
I1	Inhibition 1 (ADH1 + DsRed2 + polyA + c6_1 + c7_1																	
I2	Inhibition 2 (ADH1 + DsRed2 + polyA + c6_2 + c7_2																	
I3	Inhibition 3 (ADH1 + DsRed2 + polyA + c6_3 + c7_3																	
SL	ADH1 self ligation																	
Activation only																		
Numbers of fragments		3																
	Concentration ng/ul				Concentration ng/ul				Concentration ng/ul				Concentration ng/ul					
pADH1lin (from F)	16.1			pADH1lin (from F)	16.1			pADH1lin (from F)	16.1			pADH1lin (from F)	16.1					
DsRed not diluted	28.3			DsRed not diluted	28.3			DsRed not diluted	28.3			DsRed not diluted	28.3					
c3_0#1 not diluted	78.6			c3_1#1 not diluted	49.7			c3_2#1 not diluted	55.2			c3_3#1 not diluted	65.9					
Moles of vector (pmoles)	0.018			Moles of vector (pmoles)	0.018			Moles of vector (pmoles)	0.018			Moles of vector (pmoles)	0.018					
Moles of insert (pmoles)	0.05			Moles of insert (pmoles)	0.05			Moles of insert (pmoles)	0.05			Moles of insert (pmoles)	0.05					

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[illegible]